

NOTICE: This application form is authorized by section 283.37, Wis. Stats., and Chapters NR 151 and 216, Wis. Adm. Code. Personally identifiable information on this form may be used for other program purposes and may be made available to requestors under Wisconsin's Public Records laws and be posted on the Department's internet site.

Instructions: Complete the following for all permit applications. If additional space is needed to respond to a question, attach additional pages. Provide descriptions below that explain the program activities that you expect to develop and implement to comply with the Municipal Separate Storm Sewer System (MS4) general permit (<http://dnr.wi.gov/org/water/wm/nps/stormwater/muni.htm>). Section 3 of the MS4 general permit contains the compliance schedules that direct when the individual program activities need to be developed and submitted to the Department for review. The detailed programs that are developed and submitted to the Department for review may deviate from the program activities described below if necessary. The descriptions provided below are necessary for the Department to verify that the municipality's program activities comply with the permit.

Section I: Applicant Information

Name of Municipality

Waukesha County

Mailing Address

1320 Pewaukee Rd., Room 260

City

Waukesha

State

WI

Postal Code

53188

County(s) in which Applicant is located

Waukesha

Type of Municipality: (check one)

☒ County ☐ City ☐ Village ☐ Town ☐ Other (specify)

Section II: Local Contact Information (check one):

Name of Municipal Contact Person

Perry M. Lindquist

Title

Land Resources Manager

Mailing Address

1320 Pewaukee Rd., Room 260

City

Waukesha

State

WI

Postal Code

53188

E-mail address

plindquist@waukeshacounty.gov

Telephone Number (include area code)

262-896-8300

Fax Number (include area code)

262-896-8298

Section III: Water Quality Concerns

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (An unofficial list of ORWs and ERWs may be found on the Department's Internet site at: http://dnr.wi.gov/org/water/wm/wqs/)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of Wisconsin impaired waterbodies may be found on the Department's Internet site at: http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html)

Section IV: Area and Population Within the MS4

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the MS4 within an "Urbanized Area" as defined by U.S. EPA? (See http://www.epa.gov/npdes/pubs/fact2-2.pdf)

If no, skip the rest of this section and continue to Section V. If yes, estimate the area served by and the population within the MS4 in an Urbanized Area (UA).

(Urbanized Area maps are available on the EPA web site at: <http://cfpub1.epa.gov/npdes/stormwater/urbanmaps.cfm>)

Total municipal area (in square miles):

580

Total municipal population (in year 2000):

360,767

MS4 service area within Urbanized Area (in square miles):

231

Municipal population within Urbanized Area (in year 2000):

304,587

Section V: Potential Permit Exemption

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Section NR 216.023, Wis. Adm. Code, allows certain MS4s that have less than 1000 people residing in an urbanized area to be waived from having to obtain municipal storm water permit coverage. Do you believe that the MS4 may be eligible for this potential exemption?

Section VI: Summary of Municipal Storm Water Program Activities

Describe the programs or activities the municipality is doing or will do to comply with the requirements of the MS4 general permit. Attach additional pages if necessary.

A. Public Education and Outreach

Describe the public education and outreach program activities that the municipality will implement to comply with section 2.1 of the MS4 general permit.

See attached

B. Public Involvement and Participation

Describe the public involvement and participation program activities that the municipality will promote to comply with section 2.2 of the MS4 general permit.

See attached

C. Illicit Discharge Detection & Elimination

Describe the illicit discharge detection and elimination program authority and activities that the municipality will develop and implement to comply with section 2.3 of the MS4 general permit.

See attached

D. Construction Site Pollution Control

Describe the construction site pollutant control program authority and activities that the municipality will develop and implement to comply with section 2.4 of the MS4 general permit.

See attached

E. Post-Construction Site Storm Water Management

Describe the post-construction storm water management program authority and activities that the municipality will develop and implement to comply with section 2.5 of the MS4 general permit.

See attached

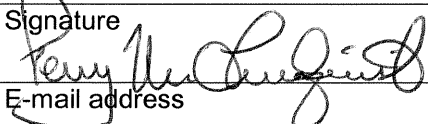
F. Pollution Prevention

Describe the pollution prevention program activities that the municipality will implement to comply with section 2.6 of the MS4 general permit.

See attached

Section VII: Certification

Certification: I hereby certify that I am an authorized representative of the municipality that is the subject of this application for general permit coverage, and that the information provided is true and complete, to the best of my knowledge. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Name	Title	
Perry M. Lindquist	Land Resources Manager	
Signature	Date Signed	
	5/31/06	
E-mail address	Telephone Number (include area code)	Fax Number (include area code)
plindquist@waukeshacounty.gov	262-896-8300	262-896-8298

Return this completed form to:

Wisconsin Department of Natural Resources
Storm Water Program – WT/2
PO Box 7921
Madison, WI 53707-7921

Attachments for the Notice of Intent for MS4 General Permit – Waukesha County

Section V: Potential Permit Exemption

It remains unclear how this permit applies to Waukesha County. We asked for clarification of this issue in our 2003 application. Very few County-owned separate storm sewer systems exist. Also, all County-owned land is under the “Urbanized Area” population threshold of 1000 people/sq. mile. Yet we are being told it applies to all County-owned land within the USEPA “Urbanized Area” delineation. DNR needs to clarify exactly what county-owned lands must be included in the permit, if any, before proceeding further with the permit application. Until that occurs, please consider this a request for an exemption.

Section VI: Summary of Municipal Storm Water Program Activities

A. Public Education and Outreach

Through the Land Resources Division of the Department of Parks and Land Use, Waukesha County has conducted a variety of public education activities designed to address water quality concerns. Annual workshops are held for local developers and engineers to review the impacts of urbanization on water resources and to explain the County storm water and erosion control ordinance requirements. Since the initiation of Priority Watershed Projects in the early 1990’s, county staff have presented information regularly to school and civic groups, lake associations and lake districts. Newsletters and fliers with a water quality message have been distributed and an annual Runoff Run event was held in conjunction with Waukesha’s Riverfest from 1997-2002. Two public surveys have been conducted to determine the level of awareness of runoff pollution issues and gauge the effectiveness of educational activities. Through the department website, information is made available on general water quality issues and actions individuals can take to help improve water quality such as installing rain gardens at their home to reduce the amount of runoff leaving their residence.

B. Public Involvement and Participation

Waukesha County has been sponsoring storm drain stenciling events since 1993, involving a variety of local groups including Scouts, 4-H clubs, school groups, civic clubs and lake organizations. Since 1998, when the Waukesha County Construction Site Erosion Control ordinance was amended to include storm water management, Waukesha County has maintained a Storm Water Advisory Committee. This committee consists of engineers and representatives for various municipalities, agency staff and members of the Waukesha County Board. They review and advise the County on storm water related issues, programs and activities, including the development of guidelines for storm water management system plans. From 2004-2005, they also functioned as the initial review

group when the county ordinance was being revised to reflect the new storm water standards contained in NR 151.

In 2002 Waukesha County began coordinating a volunteer water quality monitoring effort in cooperation with the Rock River Coalition. This program has expanded every year since and now includes semi-annual water quality monitoring training events where citizen volunteers are trained to test for five indicators of water quality (D.O., pH, temperature, turbidity and benthic invertebrates) and then assigned a stream to sample once a month. The data are collected and entered into a countywide water quality database and the Water Action Volunteers database for future trends analysis. Forty-two people participated in the two training events sponsored in 2005. A total of 20 teams are now monitoring streams throughout Waukesha County.

C. Illicit Discharge Detection & Elimination

The Waukesha County Storm Water Management and Erosion Control ordinance was most recently revised in 2005 to reflect the storm water standards contained in NR 151. It now includes language that details what constitutes an illicit discharge to a storm drainage system. The ordinance also details what actions the Land Resources Division may initiate to remedy the situation if an illicit discharge is discovered.

D. Construction Site Pollution Control

The Waukesha County Department of Parks and Land Use – Land Resources Division has been actively enforcing an erosion control ordinance since 1992. This ordinance applies to the following land disturbing activities in the unincorporated areas of the county:

- Disturbing a total surface area of 3,000 square feet or more; or
- Excavating or filling in excess of 400 cubic yards of material; or
- Utility installation or repairs affecting a distance of 300 feet or more; or
- Land disturbing activities, regardless of size, that the Land Resources Division determines is likely to cause an adverse impact to an environmentally sensitive area or other property.

Enforcement of the Waukesha County Storm Water Management and Erosion Control ordinance represents the single largest workload for the Land Resources Division. In 2005 there were 76 permits issued for projects under county jurisdiction and 408 site inspections during the course of ordinance implementation.

E. Post-Construction Site Storm Water Management

In 1998 Waukesha County amended its construction site and erosion control ordinance to include storm water management. In 2005 the ordinance was revised to reflect the storm water standards contained in NR 151. The ordinance applies to the following land development activities in the unincorporated areas of the county:

- Subdivision plats; or
- Certified survey maps or any other land development activity that may ultimately result in the addition of 0.5 acres or greater of impervious surfaces, including smaller individual sites that are part of a common plan of development that may be constructed at different times; or
- Construction of any new public or private road; or
- Land development activities, regardless of size, that the Land Resources Division determines is likely to cause an adverse impact to an environmentally sensitive area or other property.

All plans submitted for approval must meet minimum requirements for peak discharge reduction, total suspended solids removal and infiltration. Post-development peak storm water discharge rate may not exceed the calculated pre-development discharge rates for the 2-year, 10-year, and 100-year, 24-hour design storms. Total suspended solids reduction targets are 80% for all new land development and 40% for all redevelopment, when compared to no runoff management controls and using average annual rainfalls. Infiltration requirements vary depending on what type of land development activity is occurring. For residential development, the requirements are to infiltrate sufficient runoff volume so that the post-development infiltration volume is at least 90% of the pre-development infiltration volume, or infiltrate 25% of the post-development runoff volume from the 2-year, 24-hour design storm with a type II distribution. For non-residential development, including commercial, industrial and institutional development, the requirements are to infiltrate sufficient runoff volume so that the post-development infiltration volume is at least 60% of the pre-development infiltration volume, or infiltrate 10% of the post-development runoff volume from the 2-year, 24-hour design storm.

Attached for further information is a copy of the Waukesha County Storm Water Management and Erosion Control Ordinance.

F. Pollution Prevention

Waukesha County presently has pollution prevention activities being carried out by at least three separate departments (Parks and Land Use, Public Works, and the Waukesha County Airport). The types of pollution prevention activities varies depending on the general responsibilities of the department.

The Parks Division of the Parks and Land Use Department is charged with the maintenance and operation of county facilities such as county parks, golf courses, ice arenas, exposition center, and grounds maintenance at public buildings such as the courthouse and administration center. Pollution prevention activities vary depending on the season. During winter, salt and deicer products are applied to walkways and parking areas on an as-needed basis based on concerns for public safety. The salt used for these applications is obtained from the roofed salt storage sheds located on facilities maintained by the Public Works Department. During the warm weather months, park workers use

mulching mowers and clippings from lawn mowing activities are left in place. Clippings that end up on paved areas are blown back onto the lawns.

At the county golf courses soil test are conducted every three years and nutrient application decisions then based on the results. If a pesticide application is necessary, the county utilizes controlled environment or drift reduction booms on the spraying equipment to target the pesticide applications and prevent inadvertent spraying. Park foremen and golf course superintendents are required to take the Certified Pesticide Applicators training and follow the guidelines when using pesticides on county properties. Where possible, park workers leave a 25-75 foot vegetative buffer area adjacent to streams and ponds to help prevent runoff pollution. Fertilizer applications at other county parks and properties is limited to fall applications of a low phosphorus granular fertilizer only at those areas designated for multi-purpose use.

County golf courses have secured chemical storage facilities. In addition, each county park that has a vehicle fuel facility has a spill kit in place for emergency situations. County park workers are instructed on how to use the kits and a park safety manual is being compiled that will include information on pollution prevention.

The Land Resources Division of the Department of Parks and Land Use has spent a considerable amount of time over the past few years developing a storm water database application intended to facilitate the maintenance of storm water best management practices by providing a repository of design and construction information along with records of assigned maintenance responsibilities. Current development projects with storm water BMP's where the county has review authority through the county storm water management ordinance are being entered into the database on a regular basis. Procedures are also being developed for the entry of information about older projects that predate the database development. The information in the database is available to other communities in Waukesha County via the internet.

The Public Works Department (including the Engineering Division and the Highway Operations Division) maintains the highway shops and fleet maintenance buildings in addition to ongoing maintenance of culverts, storm sewers and road ditches adjacent to county highways. Initial discussion is occurring regarding the formalization of an inspection program for storm water BMP's on county road right-of-ways and a storm sewer inspection program but no formal program is in place yet.

Highway crews vacuum sweep in excess of 1000 lane miles of road per year. A concerted effort is made in the early spring to remove debris that accumulates over the winter months. Additional county resources are expended annually to augment street sweeping with the hiring of a private contractor to help with the spring cleanup. Storm sewer catch basins are cleaned out on an as-needed basis. The material that is collected from the vacuum sweeping and catch basin cleaning is stockpiled at a designated location at the highway shops and then disposed of as a solid waste in licensed landfills.

Road salt and other deicer applications are performed in accordance with state guidelines with annual education on salt and magnesium chloride usage provided by the state Department of Transportation. Applications of sand/salt mixes are limited to severe weather conditions when additional traction on roads is required for public safety. Salt storage is contained under roofed buildings and Public Works is in the process of working with the Environmental Health Division to upgrade the holding tanks for the salt brine and floor drain waste. Solutions pumped out of the holding tanks are disposed of at sewage treatment plants.

Vehicle fueling facilities maintained by the Public Works Division are provided with spill kits and highway operations crews are instructed on the proper usage of these and what to do in case of emergencies.

Spill Prevention, Control and Countermeasures Plans have been developed for eight county facilities that store oil products aboveground above threshold quantities. The covered sites include parks, highway substations, the fleet maintenance building, the main county campus and the Waukesha County airport. In addition, a storm water management plan for the airport is in the process of being revised by a consultant.